Applied Animal Behaviour Science, 27 (1990) 379–381
Elsevier Science Publishers B.V., Amsterdam

Contents of *Applied Animal Behaviour Science*, Volume 27

VOL. 27 NOS. 1–2 **AUGUST 1990**

Computer-assisted recording of live and videotaped horse behavior: reliability studies
S.M. McDonnell and N.K. Diehl (Kennett Square, PA, U.S.A.) 1
Behavioural compensation for limited grazing time by herded cattle in central Nigeria
W. Bayer (Kaduna, Nigeria) 9
The effect of environment and stage of the oestrous cycle on the behaviour of dairy cows
C.J.C. Phillips and S.A. Schofield (Bangor, Gt. Britain) 21
The maintenance behaviour and cleanliness of pigs in two-tier weaner decks
N.J. Lewis and G.I. Christison (Saskatchewan, Canada) 33
The effect of environment enrichment on aggression in newly weaned pigs
A.L. Schaefer, A.K.W. Tong, A.P. Sather, P. Lepage (Lacombe, Alta., Canada) and M.O. Salomons (Red Deer, Alta., Canada) 41
The influence of straw, cloth tassel, or both on the prepartum behavior of sows
T.M. Widowski and S.E. Curtis (Urbana, IL, U.S.A.) 53
Parallel changes in the proceptive and receptive behaviour of the ewe
A.J. Tilbrook, P.H. Hemsworth (Werribee, Vic., Australia) J.S. Topp (East Melbourne, Vic., Australia) and A.W.N. Cameron (Clayton, Vic., Australia) 73
Long-term associations between Merino ewes and their offspring
G.N. Hinch, J.J. Lynch, R.L. Elwin and G.C. Green (Armidale, N.S.W., Australia) 93
The influence of rearing conditions on the social relationships of young male goats (*Capra hircus*)
P. Orgeur, P. Mimouni and J.P. Signoret (Monnaie, France) 105
Open-field assessment of behavioral phenotype within genetic stocks of the White Leghorn chicken
A.B. Webster and J.F. Hurnik (Guelph, Ont., Canada) 115
Effects on behaviour and plumage of a key-stimuli floor and a perch in triple cages for laying hens
B.O. Braastad (Ås-NLH, Norway) 127
Preferences of hens for shape and size of roosts
H.K. Muiruri, P.C. Harrison and H.W. Gonyou (Urbana, IL, U.S.A.) 141
Behavioural evidence for persistent pain following partial beak amputation in chickens
M.J. Gentle, D. Waddington, L.N. Hunter and R.B. Jones (Roslin, Gt. Britain) 149
Quantifying motivation using a computer-controlled push-door
J.C. Petherick and S.M. Rutter (Roslin, Gt. Britain) 159
Are alarming events good for captive monkeys?
A.S. Chamove and E.M. Moodie (Stirling, Gt. Britain) 169

Short Communication
Previous experience with different floors influences choice of peat in a Y-maze by do-

mestic fowl
J.C. Petherick, I.J.H. Duncan and D. Waddington (Roslin, Gt. Britain) 177

VOL. 27 NO. 3 SEPTEMBER 1990

Maternal recognition in Gyr (*Bos indicus*) calves
R.M. Murphey, C.R. Ruiz-Miranda (Davis, CA, U.S.A.) and F.A.M. Duarte (Sao Paolo, Brazil) 183
Social behaviour in domestic beef cattle when yearling calves are left with the cows for the next calving
I. Veissier, D. Lamy and P. Le Neindre (Ceyrat, France) 193
Social dominance in dairy cattle and the influences of housing management
H.K. Wierenga (Zeist, The Netherlands) 201
Effect of hypothalamic factor treatments on the behaviour of sows during lactation and on their behavioural and cortisol responses to weaning
A.M.B. de Passillé, S. Robert, G. Pelletier (Lennoxville, Que., Canada), P. Dubreuil (Sherbrooke, Que., Canada) and P. Brazeau (Montreal, Que., Canada) 231
Thermoregulatory behaviour of sheep housed in insulated and uninsulated buildings
K. Bøe (Ås-NLH, Norway) 243
Effects of housing on social preference and behaviour in male golden hamsters (*Mesocricetus auratus*)
C.E. Arnold and D.Q. Estep (Athens, GA, U.S.A.) 253

Short Communications
Physical isolation of hand-reared Hereford bulls increases their aggressiveness toward humans
E.O. Price and S.J.R. Wallach (Davis, CA, U.S.A.) 263
The influence of different social and physical environments on the incidence of lactational oestrus in sows
A. Stolba, B. Wechsler (Zurich, Switzerland) and R. Henderson (Bristol, Gt. Britain) 269

VOL. 27 NO. 4 OCTOBER 1990

The effects of long-term individual vs. group housing on the sexual behavior of beef bulls
E.O. Price, S.J.R. Wallach and G.V. Silver (Davis, CA, U.S.A.) 277
Stabilization of social hierarchy in dairy cows
S. Kondo and J.F. Hurnik (Guelph, Ont., Canada) 287
Effects of age and housing conditions on the behavioural and haemolytic reaction of piglets to weaning
J.H.M. Metz and H.W. Gonyou (Urbana, IL, U.S.A.) 299
Behaviour and distribution of fattening pigs in the multi-activity pen
H.B. Simonsen (Frederiksberg C, Denmark) 311
Olfactory and vomeronasal chemoreception and the discrimination of oestrous and non-oestrous ewe urine odours by the ram
M.J. Blissitt, K.P. Bland and D.F. Cottrell (Edinburgh, Gt. Britain) 325
Social organization of Merino sheep of different ages, sex and family structure

A. Stolba (Zurich, Switzerland), G.N. Hinch, J.J. Lynch, D.B. Adams, R.K. Munro and H.I. Davies (Armidale, N.S.W., Australia) 337
Density of *Macaca mulatta* and *Presbytis entellus* in the old city of Jaipur: a three year survey
R. Mathur and B.R. Manohar (Jaipur, India) 351

Commentary
Important ethological and other considerations of the study and maintenance of reptiles in captivity
C. Warwick (Worcester, Gt. Britain) 363

Letter to the Editor
Physiology, behaviour and well-being 367

Announcement 369
Author Index 371
Subject Index 375